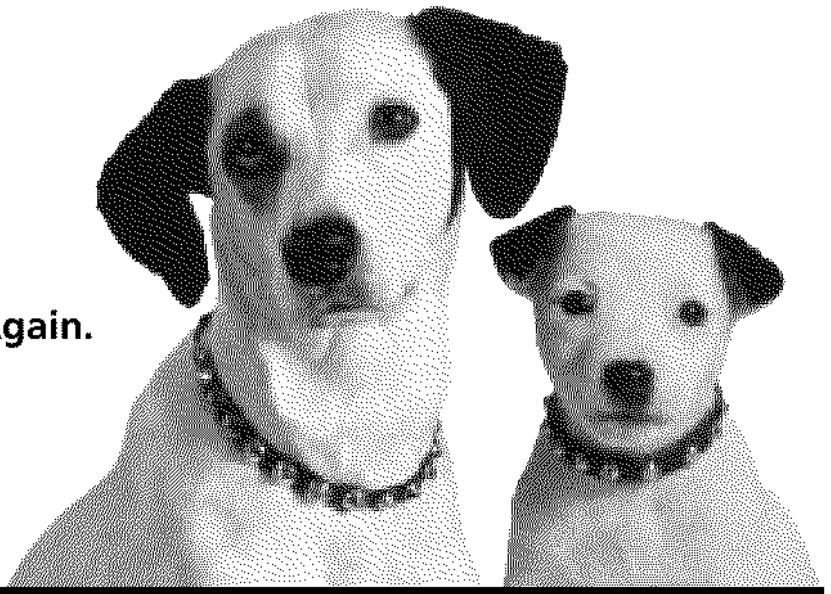
RCA

Television User's Guide



Changing Entertainment. Again.

TOCOM 1616232A

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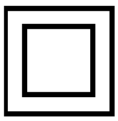
Important Information

CAUTION

RISK OF ELECTRIC SHOCK
DO NOT OPEN



This symbol indicates that this product incorporates double insulation between hazardous mains voltage and user accessible parts. When servicing use only identical replacement parts.

Caution: To reduce the risk of electric shock, do not remove cover (or back). No user serviceable parts inside. Refer servicing to qualified service personnel.

This symbol indicates important instructions accompanying the product.

This symbol indicates "dangerous voltage" inside the product that presents a risk of electric shock or personal injury.

WARNING

To reduce the risk of fire or electric shock, do not expose this product to rain or moisture.

The apparatus shall not be exposed to dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on the apparatus.

Refer to the identification/rating label located on the back panel of your product for its proper operating voltage.

FCC Regulations state that unauthorized changes or modifications to this equipment may void the user's authority to operate it.

Caution: Using video games or any external accessory with fixed images for extended periods of time can cause them to be permanently imprinted on the picture tube (or projection TV picture tubes). ALSO, some network/program logos, phone numbers, etc. may cause similar damage. This damage is not covered by your warranty.

Cable TV Installer: This reminder is provided to call your attention to Article 820-40 of the National Electrical Code (Section 54 of the Canadian Electrical Code, Part 1) which provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building as close to the point of cable entry as practical.

Product Registration

Please fill out the product registration card (packed separately) and return it immediately. For U.S. customers: Your RCA Consumer Electronics product may also be registered at www.rca.com/productregistration. Registering this product allows us to contact you if needed.

Product Information

Keep your sales receipt to obtain warranty parts and service and for proof of purchase. Attach it here and record the serial and model numbers. These numbers are located on the product.

Model No. _____ Serial No. _____ Purchase Date: _____

Dealer/Address/Phone: _____

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Things to Consider Before You Connect

Protect Against Power Surges

- Connect all components before you plug any of their power cords into the wall outlet.
- Turn off the TV and/or component before you connect or disconnect any cables.
- Make sure all antennas and cables are properly grounded. Refer to the Important Safety Instructions packed separately.

Protect Components from Overheating

- Don't block ventilation holes on any of the components. Arrange the components so that air can circulate freely.
- Don't stack components.
- If you place components in a stand, make sure you allow adequate ventilation.
- If you connect an audio receiver or amplifier, place it on the top shelf so the heated air from it won't flow around other components.

Position Cables Properly to Avoid Audio Interference

- Insert each cable firmly into the designated jack.
- If you place components above the TV, route all cables down the side of the back of the TV instead of straight down the middle of the TV.
- If your antenna uses 300-ohm twin lead cables, do not coil the cables. Also, keep the twin lead cables away from audio/video cables.

Important Stand and Base Safety Information

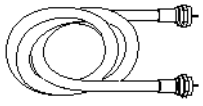
Choose the location for your TV carefully. Place the TV on a stand or base that is of adequate size and strength to prevent the TV from being accidentally tipped over, pushed off, or pulled off. This could cause personal injury and/or damage the TV. Refer to the Important Safety Instructions packed separately.

Use Indirect Light

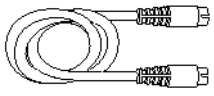
Don't place the TV where sunlight or room lighting will be directed toward the screen. Use soft or indirect lighting.

Cables Needed to Connect Components to Your TV

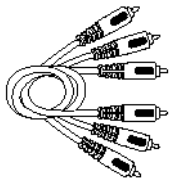
The pictures below show the cables needed for the connections represented in this book.



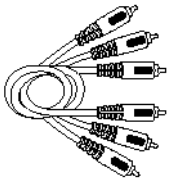
Coaxial cable



S-Video cable



Audio/Video cables



Component Video (Y, Pb, Pr) cables

Component video to VPORT cable

Xbox to VPORT cable

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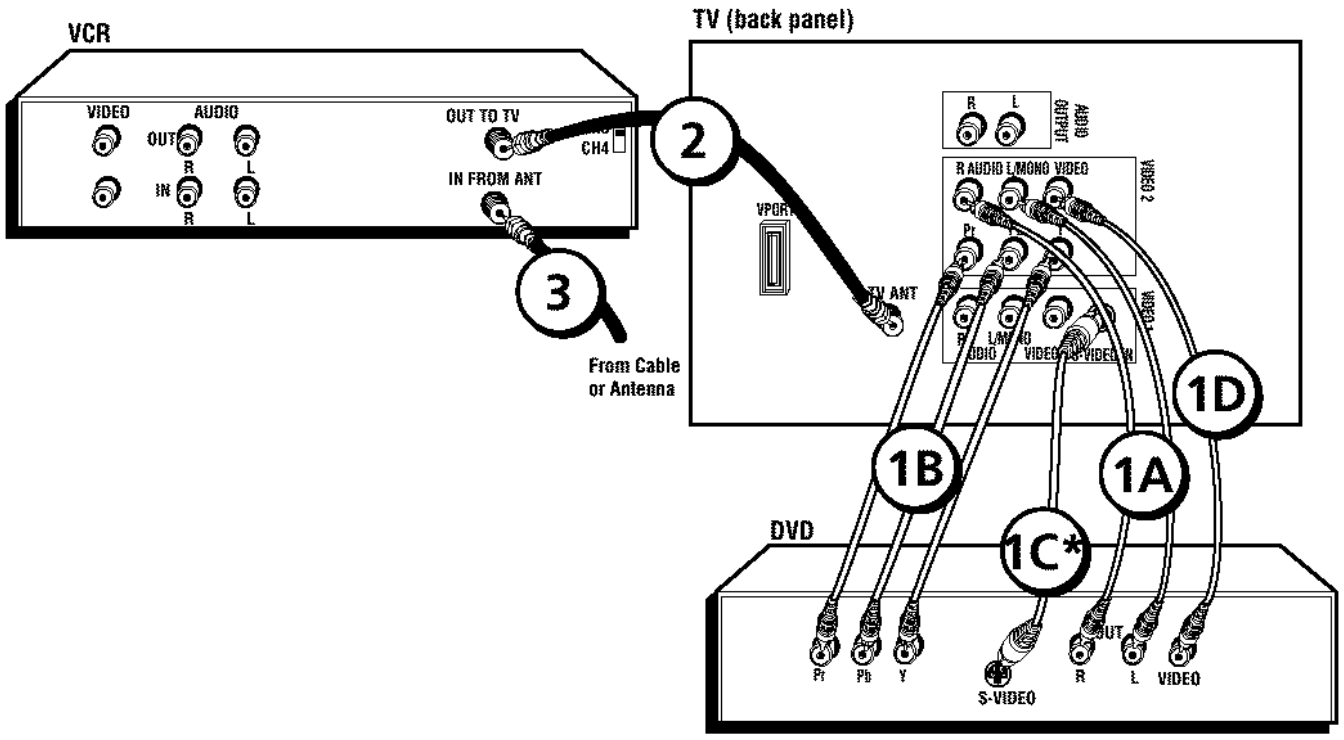

* If you connect an S-Video cable, you must connect the audio cables to the VIDEO 1 AUDIO jacks on the back of the TV, not the VIDEO 2 AUDIO jacks.

TV + DVD + VCR

1. **Connect your DVD Player to your TV.**

   A. Connect the audio (white and red) cables to the VIDEO 2 R and L/MONO AUDIO jacks on the back of the TV and to the Audio Output jacks on the DVD player.

   B. If your DVD player has Component Output Jacks (Y, Pb, Pr), connect three video grade cables to the Y, Pb, Pr jacks on the DVD player and to the VIDEO 2 Y, Pb, Pr jacks on the back of the TV. If your DVD player doesn't have Y, Pb, Pr jacks, go to C.

   -OR-

   C. If your DVD player has an S-Video jack, connect an S-Video cable to the S-Video jack on the DVD player and to the S-VIDEO IN jack on the back of the TV. If your DVD player doesn't have an S-Video jack, go to D.

   Note: If you connect an S-Video cable, you must connect the audio cables to the VIDEO 1 AUDIO jacks on the back of the TV, not the VIDEO 2 AUDIO jacks.

   -OR-

   D. Connect a video cable (yellow) to the Video Output Jack on the DVD player and to the VIDEO 2 VIDEO jack on the back of the TV.

2. **Connect your TV to your VCR**

   Connect a coaxial cable to the TV ANT jack on your TV and to the Output Jack on your VCR (sometimes labeled OUT TO TV).

   Note: If your VCR has A/V output jacks, you can connect your TV to your VCR using audio/video cables for better quality.

3. **Make sure cable or antenna is connected to your VCR.**

   Connect the coaxial cable from your cable outlet or antenna to the antenna input on the VCR.

Go to page 7

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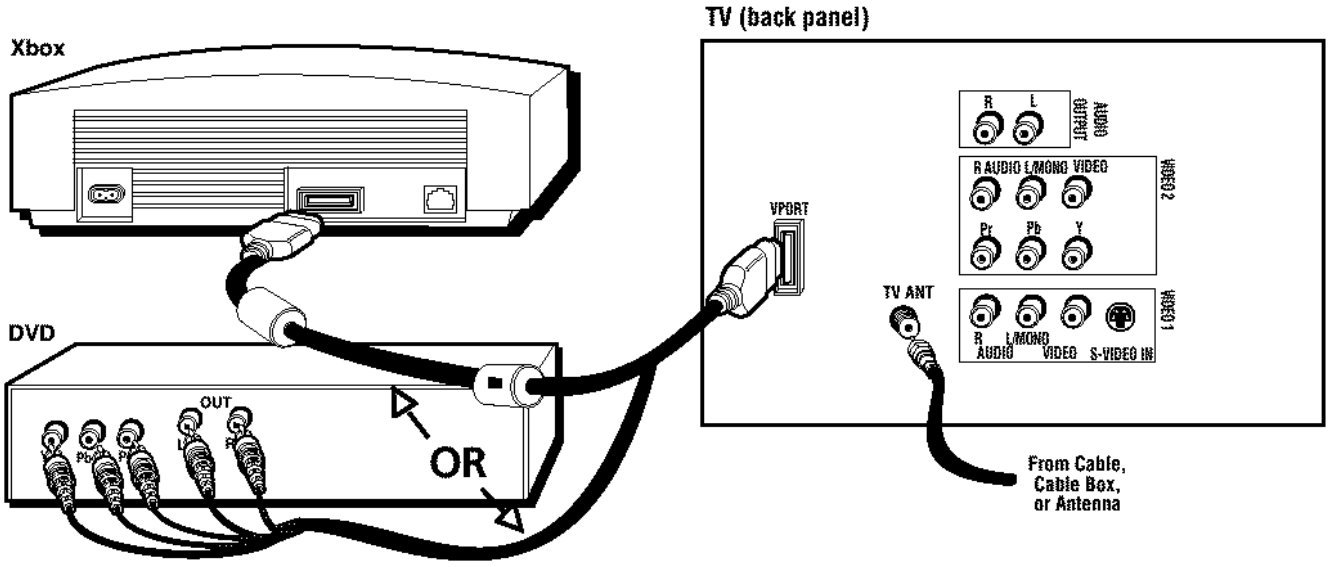
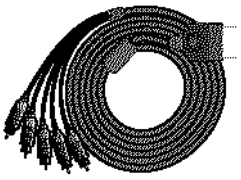


Using the VPORT Jack

The VPORT jack lets you connect an Xbox™ video game system to the TV using an Xbox to VPORT cable (not provided). Go to page 29 to purchase the Xbox to VPORT cable. You can also connect a component, such as a DVD player, that has component video jacks (Y, Pb, Pr) using a Component video to VPORT cable (not provided). When using the Component video to VPORT cable, make sure to connect the left and right audio cables to the component in order for the TV to receive sound.

Note: The VPORT jack cannot be used for game consoles other than the Xbox video game system.



Component video to VPORT cable (not supplied)

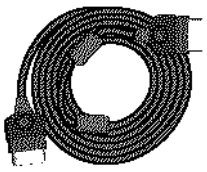
1. **Connect your TV to a DVD player**

   Use a Component video to VPORT cable (not provided) to connect your TV to another component, such as a DVD player, that has Y, Pb, Pr jacks.

   Connect the Component video to VPORT cable to the VPORT jack on the back of the TV.

   Connect the other ends of the Component video to VPORT cable to the Y, Pb, Pr and the Audio Output Jacks on the back of the DVD.

-OR-



Xbox to VPORT cable (not supplied)

2. **Connect your TV to an Xbox video game system**

   Connect the end of an Xbox to VPORT cable (not provided) labeled *TV* to the VPORT jack on the back of the TV and the other end to the corresponding jack on the back of the Xbox video game system.

Note: If you have an audio receiver, you might be able to connect a digital audio cable to the digital audio jack that's on the VPORT cable.

Go to page 7

"Xbox is a trademark of Microsoft Corporation in the United States and/or other countries."

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Explanation of Jacks

This section describes the jacks you can use to make connections. There are several ways to connect components to your TV.

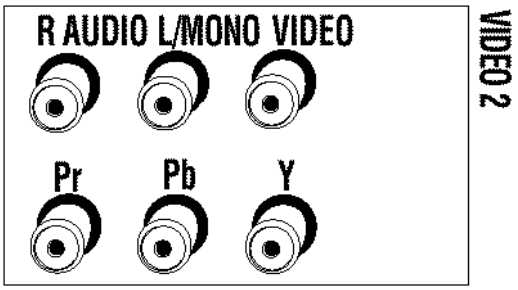
VPORT Go to the previous page for VPORT explanation.

TV ANT Lets you connect a coaxial cable to receive the signal from the antenna, cable, cable box, or if using the example on page 4, a VCR.

VIDEO 1

VIDEO, AUDIO R and L/MONO Lets you connect a component such as a VCR, DVD player, or laserdisc player.

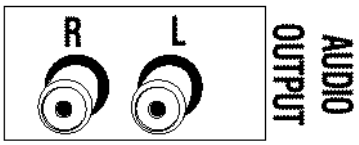
- **R (RIGHT) AUDIO** Provides right audio connection. The right audio connector is usually red.
- **L/MONO AUDIO** Provides left audio connection. The left audio connector is usually white.
- **VIDEO** Provides composite video connection. The video connector is usually yellow.
- **S-VIDEO IN** Provides better picture quality than the video jacks because the color part of the signal is separated from the black and white part of the picture. When using S-VIDEO IN, make sure to connect left and right audio cables to the L/MONO and R AUDIO Input jacks.



VIDEO 2

VIDEO, AUDIO R and L/MONO and Y, Pb, Pr Lets you connect a component video source, such as a DVD player.

- **Y, Pb, Pr** Provides optimum picture quality because the video is separated into three signals. Use three video-grade cables for the connection. When using VIDEO 2 Y, Pb, Pr, make sure to connect left and right audio cables to the VIDEO 2 AUDIO Input jacks.
- **R (RIGHT) AUDIO, L/MONO and VIDEO** Their description is the same as VIDEO 1.



AUDIO OUTPUT Lets you connect an amplifier or audio receiver for improved sound quality.

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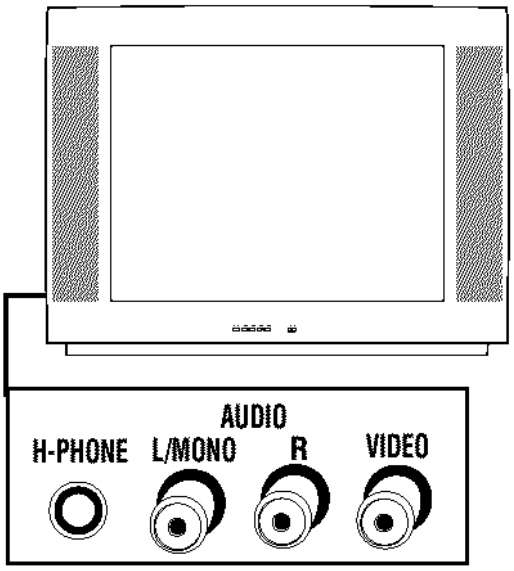

The Front of Your TV

Front Input Jacks

The TV has front input jacks for your convenience: one set of audio/video inputs and a headphone jack. These jacks are towards the front of the TV on the side. To access the component you connected to the front of the TV, press the INPUT button on your remote until *FRNT* appears on the screen. The jacks are ideal for connecting a video game console or a camcorder.

Note: When connecting a component that has only one audio jack, such as some camcorders, use the TV's AUDIO L /MONO jack to hear the audio.

H-PHONE Allows you to connect headphones to listen to the sound coming from the TV.

L/MONO and R AUDIO Receives audio from another component such as a VCR, camcorder, or video game console.

VIDEO Receives video from another component such as a VCR, camcorder, or video game console.

Front Panel Buttons

If you cannot locate your remote, you can use the front panel buttons of your TV to operate many of the TV's features.

MENU Brings up the Main menu.

CH v Scans down through the current channel list. In the menu system, acts like the down arrow button on the remote control and adjusts menu controls.

CH ∧ Scans up through the channel list. In the menu system, acts like the up arrow button on the remote control and adjusts menu controls.

VOL < Decreases the volume. In the menu system, acts like the left arrow button on the remote control and adjusts menu controls.

VOL > Increases the volume. In the menu system, acts like the right arrow button on the remote control and adjusts menu controls.

POWER Turns the TV on and off.

Plug in the TV

Plug the end of the power cord into a grounded wall outlet. Insert the plug completely into the outlet.

Put batteries in the remote

- Remove the battery compartment cover from the back of the remote by pushing down on and sliding off the cover.
- Insert 2 "AAA" fresh batteries. Make sure the polarities (+ and -) are aligned correctly.
- Replace the cover.

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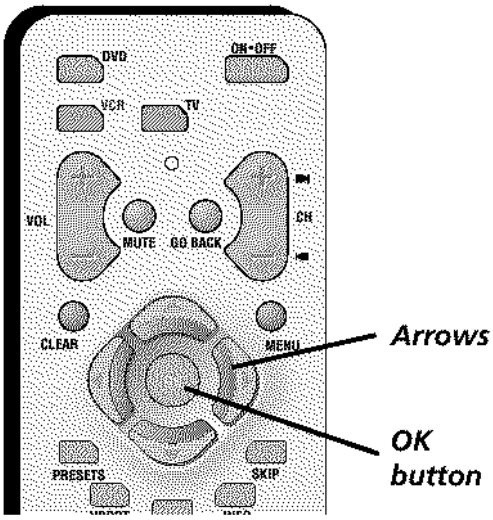


How to Use the Remote Control to Complete the Initial Setup

The technical term is "Navigation"– how you move through the on-screen menus. The method is the same throughout the menu screens: highlight your choice and select it.

To highlight a menu item, press the arrow buttons on the remote to highlight one of the items listed on the screen. Use the up or down arrow button to move up or down. Use the right or left arrow button to move right or left.

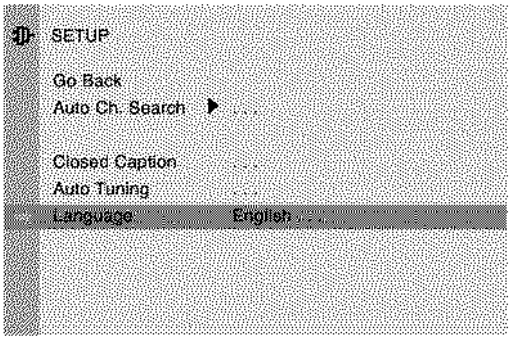
To select the item that you've highlighted, press OK.

Note: Highlighted means that the menu item stands out from other menu items on the list (appears darker, brighter, or a different color).

Turn on the TV

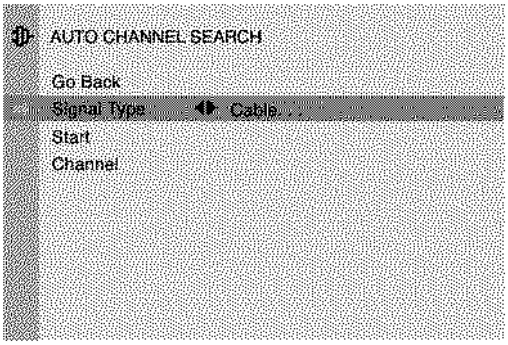
Press TV on the remote, or press POWER on the TV's front panel.

Note: Pressing the TV button not only turns on the TV, but puts the remote into TV mode. "TV mode" means that the buttons on the remote control operate the TV's functions.



Complete the Initial Setup

The menu system in your TV allows the TV's features to work properly. The first time you turn on your TV, the *SETUP* screen appears with *Language* highlighted. The default language is *English*. To choose another language, press the right arrow button on the remote.



Complete Auto Channel Search

This part of the setup allows the TV to search for all channels viewable through your antenna or cable TV system. This is sometimes called auto programming.

1. Highlight *Auto Ch. Search* and press OK.
2. The *Signal Type* option is set to *Cable*. To change the option to *Antenna*, press the right arrow button and then press OK.
3. Press the down arrow button to highlight *Start*. Press OK to begin the auto channel search.

Once the search is complete, you can begin watching TV. For information on customizing your channels or menu options, go to Chapter 4.

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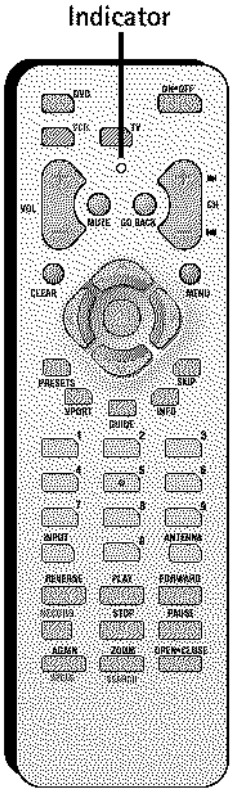

Button Descriptions for TV Mode

Arrows Used to highlight different items in the TV menu and to adjust the menu controls.

Indicator Indicates the programming mode when programming the remote to control components. Lights when you press a valid button on the remote. Flickers when a button is pressed and the batteries are low.

(0-9) Number Buttons Enter channel numbers and time settings directly through the remote control.

To enter a one-digit channel, enter a zero first. To enter a two-digit channel, press the two digits and expect a few seconds delay. This is if you want to enter a third digit.

CH + or CH - Scans up or down through the current channel list. Press once to change the channel up or down; press and hold to continue changing channels.

CLEAR Removes any menu or display from the screen and returns you to normal viewing.

GO BACK Returns you to the previous channel.

INFO Brings up the channel banner.

INPUT Toggles through the available input sources (*VID1/SVID1, VID2/CVID2, FRNT, VPORT* and current channel).

MENU Brings up the Main menu.

MUTE Reduces the TV's volume to its minimum level. Press again to restore the volume.

OK When in the menu system, selects highlighted items.

ON•OFF When in TV mode, turns the TV on and off. If in another mode (VCR, DVD, etc.) and programmed, will turn the component on and off.

PRESETS Brings up sound and picture presets.

SKIP Press once before changing channels and the TV will wait 30 seconds before returning to the original channel. Press repeatedly to add more time.

TV Turns on the TV and puts the remote in TV mode. Also displays current status.

VPORT Tunes the TV to the VPORT input channel. You can program this button to control a VCR or DVD player. When programmed, changes the mode of the remote when the button is pressed. To restore the VPORT button to factory default mode (unprogrammed), press and hold VPORT, then press 1, 0, 0, and 0.

VOL - or VOL + Decreases or increases the TV's volume.

Button Descriptions for DVD and VCR Modes

AGAIN In DVD mode, replays the last several seconds of the title you're playing.

ANTENNA In VCR mode, functions as a TV/VCR button.

DVD Puts the remote in DVD mode and, if auto tuning is enabled, will turn on the TV and tune to the correct video input channel.

GUIDE If you're operating another component that has a guide, this button accesses the on-screen Guide.

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OPEN•CLOSE In DVD mode, opens or closes the DVD disc tray.

REVERSE, PLAY, FORWARD, RECORD, STOP, PAUSE If programmed, provides transport control for some remote-controllable VCRs or DVD players.

SEARCH In VCR mode, accesses Index Search feature.

SPEED In VCR mode, selects a recording speed.

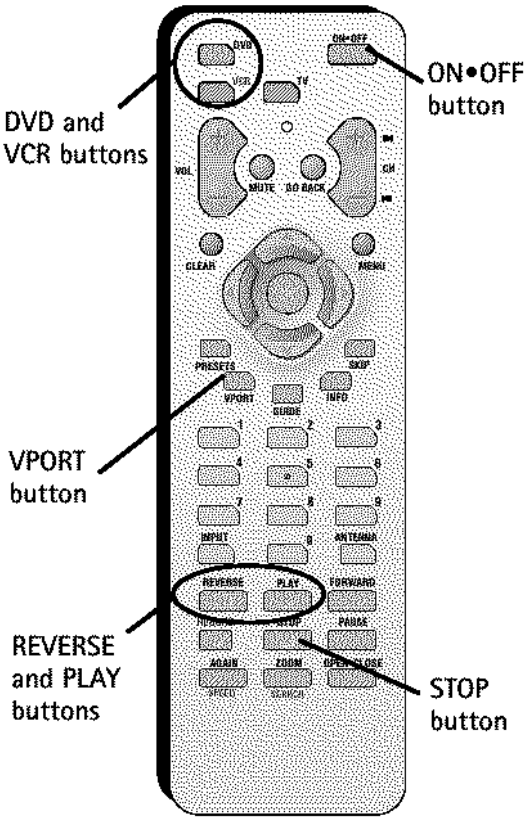
VCR Puts the remote in VCR mode and, if auto tuning is enabled, will turn on the TV and tune to the correct video input channel.

ZOOM In DVD mode, zooms in on the picture.

Using the INPUT Button

Use the INPUT button to scroll through the available video input channels and view components you have connected to the TV.

1. Make sure the component you want to view is turned ON.
2. Press INPUT to tune to an available video input source and view the component.
3. To return to the previous channel, continue pressing INPUT.



You'll use these buttons when programming the remote.

Programming the Remote to Operate Other Components

The universal remote can be programmed to operate most brands of remote controllable components. The remote is already programmed to operate most RCA, GE, and Proscan components.

Note: The TV button can't be programmed on this remote.

Find Out If You Need to Program the Remote

To determine whether the universal remote needs to be programmed for your component, turn the component ON. For example, to program the remote for a VCR, turn on the VCR. Point the remote at the VCR, and press the VCR button. Then press ON•OFF or CH + (channel up) or CH – (channel down) to see if the VCR responds to the remote commands. If the component does not respond, the remote needs to be programmed.

Programming the Remote

There are two ways to program the remote control:

- automatic code search
- direct entry

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Using Automatic Code Search

The following instructions can be used to program the remote to operate your components. If you want to stop the automatic code search without programming any of your components, press CLEAR until the indicator on the remote turns off.

1. Turn on the component you want to operate (VCR or DVD player)
2. Press and hold the component button you want to program (VCR, DVD, or VPORT). While holding the component button, press and hold ON•OFF until the indicator on the remote turns on, then release both buttons.
3. Point the remote at the component. Press and release PLAY, then wait 5 seconds or until the indicator on the remote stops flashing.

   At this point the remote is searching for the correct code to program. If, after 5 seconds, the component you want to operate does not turn off, press PLAY again to tell the remote to search the next set of codes.

   Continue pressing PLAY until the component turns off or you have searched through all of the codes. There are 20 total sets of codes. If the component does not turn off after pressing PLAY 20 times, then the remote can't be programmed to operate that component.

If the component you want to control *does* turn off:

1. Press and release REVERSE, then wait 2 seconds. Repeat this step until the component turns back ON.
2. To finish, press and hold STOP until the indicator on the remote turns off.

Using Direct Entry

1. Turn on the component to be programmed.
2. Look up the brand and code number(s) for the component on the code list in this section.
3. Press and hold the component button you want to program on the remote.
4. Enter the code from the remote control code list on the following pages. If the indicator flashes, you have either entered an invalid code or the button isn't programmable.
5. Release the component button.
6. Point the remote at the component. Press ON•OFF to see if the component responds to the command. If it doesn't, try pressing the component button and then ON•OFF again.

- If you get no response, repeat these steps using the next code listed for your brand, until the component responds to the remote commands.
- If you try all the codes for your component brand and none work, try the automatic code search method. If automatic code search doesn't find the code, the remote is not compatible with your component.

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How to Use the Remote After You've Programmed It

Because this universal remote can operate several different components it uses operational modes triggered by the component buttons. For example, if you want the remote to operate the TV, you would press the TV button to put the remote into TV mode before you could operate the TV.

1. Press the appropriate component button (DVD, VCR, VPORT) to set the remote to operate the component.
2. Press ON•OFF to turn the component ON or OFF.
3. Use the remote buttons that apply to that component.

Notes:

- *The remote may not be compatible with all brands and models of components. It also may not operate all functions of the remote that came with your component.*
- *If you keep pressing buttons and nothing happens, the remote is probably in the wrong mode. You must press the component button that matches the component you want to operate (i.e., if you want to operate the VCR, press VCR on the remote control to put the remote in VCR mode.)*

Remote Control Codes

VCR Codes

Programmable for VCR and VPORT buttons.

Admiral 2132
Adventura 2026
Aiko 2027
Aiwa 2026
Akai 2003, 2004, 2005, 2007, 2008, 2111, 2112, 2113
American High 2021
Asha 2013
Audio Dynamics 2009, 2010
Audiovox 2014
Bell & Howell 2011
Beaumark 2013
Broksonic 2012, 2025
Calix 2014
Candle 2013, 2014, 2015, 2016, 2017, 2018, 2019
Canon 2021, 2022, 2114
Capehart 2020, 2110
Carver 2062
CCE 2027, 2061
Citizen 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2027
Colortyme 2009
Colt 2061
Craig 2013, 2014, 2023, 2061
Curtis-Mathes 2000, 2009, 2013, 2016, 2018, 2021, 2022, 2024, 2115, 2131
Cybernex 2013
Daewoo 2015, 2017, 2019, 2025, 2026, 2027, 2028, 2110
Daytron 2110
DBX 2009, 2010
Dimensia 2000, 2131
Dynatech 2026
Electrohome 2014, 2029
Electrophonic 2014
Emerson 2012, 2014, 2015, 2021, 2024, 2025, 2026, 2029, 2030, 2031, 2032, 2033, 2034,2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042,2044, 2045, 2046, 2047, 2065, 2113, 2116, 2117, 2130
Fisher 2011, 2023, 2048, 2049, 2050, 2051, 2052, 2118
Fuji 2021, 2119
Funai 2026
Garrard 2026
GE 2000, 2001, 2013, 2021, 2022, 2053, 2115, 2120, 2131
Goldstar 2009, 2014, 2018, 2054
Gradiente 2026
Harley Davidson 2026
Harman Kardon 2009
Harwood 2061
Headquarter 2011
Hitachi 2055, 2056, 2057, 2107, 2111, 2120, 2122
Hi-Q 2023
Instant Replay 2021
JCL 2021
JC Penney 2009, 2010, 2011, 2013, 2014, 2021, 2022, 2055, 2056, 2058, 2059, 2060, 2107, 2118
Jensen 2055, 2056, 2111
JVC 2009, 2010, 2011, 2018, 2111, 2123
Kenwood 2009, 2010, 2011, 2016, 2018, 2111, 2123
KLH 2061
Kodak 2014, 2021
Lloyd 2026
Logik 2061
LXI 2014
Magnavox 2021, 2022, 2062, 2063, 2104, 2105, 2108, 2124

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VCR Codes continued

Magnin 2013
Marantz 2009, 2010, 2011, 2016, 2018, 2021, 2062, 2064
Marta 2014
Masushita 2021
Mei 2021
Memorex 2011, 2013, 2014, 2021, 2023, 2026, 2104, 2132
MGA 2029, 2065, 2113
MGN Technology 2013
Midland 2053
Minolta 2055, 2056, 2107
Mitsubishi ..... 2029, 2055, 2056, 2065, 2066, 2067, 2068, ... 2069, 2070, 2071, 2072, 2073, 2074, 2106, 2113, 2123
Montgomery Ward 2075, 2132
Motorola 2021, 2132
MTC 2013, 2126
Multitech 2013, 2016, 2026, 2053, 2061
NEC ..... 2009, 2010, 2011,2016, 2018, ... 2064, 2076, 2078, 2079, 2111, 2123
Nikko 2014
Noblex 2013
Olympus 2021
Optimus 2014, 2132
Optonica 2096
Panasonic 2021, 2022, 2109, 2125, 2126, 2127
Pentax 2016, 2055, 2056, 2107, 2120
Pentex Research 2018
Philco 2021, 2022, 2062, 2063
Philips 2021, 2062, 2096, 2124
Pilot 2014
Pioneer 2010, 2055, 2080, 2081, 2123
Portland 2016, 2017, 2019, 2110
Proscan 2000, 2001, 2131
Protec 2061
Pulsar 2104
Quarter 2011
Quartz 2011
Quasar 2021, 2022, 2125
RCA ..... 2000, 2001, 2003, 2013, 2021, 2055, 2056, ... 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, ... 2090, 2091, 2107, 2115, 2120, 2125, 2131, 2133
Radioshack/Realistic ..... 2011, 2013, 2014, 2021, ... 2022, 2023, 2026, 2029, 2049, 2050, 2096, 2132
Radix 2014
Randex 2014
Ricoh 2128
Runco 2104
Samsung 2005, 2013, 2015, 2033, 2053, 2112
Sanky 2104, 2132
Sansui 2010, 2092, 2111, 2123
Sanyo 2011, 2013, 2023
Scott 2012, 2015, 2025, 2032, 2038, 2065, 2093, 2116
Sears ..... 2011, 2014, 2021, 2023, 2048, ... 2049, 2050, 2051, 2055, 2056, 2107, 2118
Sharp 2017, 2029, 2094, 2095, 2096, 2097, 2132
Shintom 2004, 2056, 2061, 2098
Shogun 2013
Signature 2132
Singer 2021, 2061, 2128
Sony 2004, 2098, 2099, 2119
STS 2021, 2107
Sylvania 2021, 2022, 2026, 2062, 2063, 2065, 2124
Symphonic 2026
Tandy 2011
Tashiko 2014
Tatung 2111
TEAC 2026, 2085, 2111
Technics 2021, 2109
Teknika 2014, 2021, 2026, 2100, 2129
TMK 2013, 2024, 2047
Toshiba 2015, 2049, 2051, 2055, 2065, 2093, 2116
Totevsion 2013, 2014
Unitech 2013
Vector Research 2009, 2010, 2015, 2016
Victor 2010
Video Concepts 2009, 2010, 2015, 2016, 2113
Videosonic 2013
Wards ..... 2013, 2014, 2015, 2021, ... 2023, 2026, 2029, 2055, 2056, 2061, ... 2096, 2101, 2102, 2103, 2107, 2116, 2132
XR-1000 ..... 2021, 2026, 2061
Yamaha 2009, 2010, 2011, 2018, 2111
Zenith 2004, 2098, 2104, 2119, 2128

DVD codes

Programmable for DVD and VPORT buttons.

Aiwa 3009
Apex 3023, 3024
GE 3000
Hitachi 3008
JVC 3002, 3010
Konka 3011, 3012
Magnavox 3003
Mitsubishi 3004
Panasonic 3013
Philips 3003, 3019, 3021, 3022
Pioneer 3005
Proscan 3000
RCA 3000, 3001
Samsung 3025
Sanyo 3014
Sony 3006, 3015, 3016
Toshiba 3007, 3017, 3020
Zenith 3018

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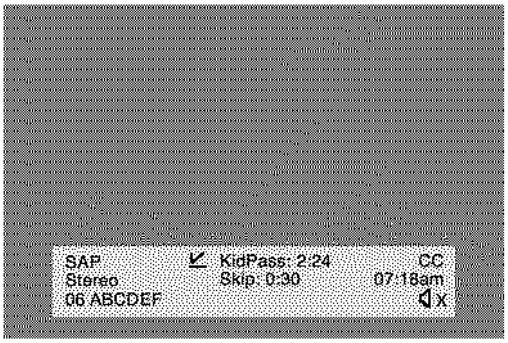
Chapter 3: Using the TV's Features



Channel Banner

There are several items that might appear on-screen when you press the TV or INFO button on the remote. This display is called the Channel Banner. The following list describes the items on the Channel Banner screen (left to right and top to bottom).

SAP	Displayed when the current channel is broadcasting SAP (Second Audio Program) information.
↙	Displayed when V-Chip has been activated.
KidPass: 2:24	Displayed when KidPass is set and the length of time remaining.
CC	Displayed when Closed Captioning is available on the current channel.
Stereo or *Mono*	Stereo displayed when the current channel is broadcasting in stereo. Mono displayed when the current channel is broadcasting in mono.
Skip: 0:30	Corresponds to the SKIP button. Shows the amount of time left before the TV switches back to the previous channel.
07:18 am	Displays the current time.
06 ABCDEF	Displays the current channel and label assigned to the channel.
◁ x	Displayed when you mute the sound.

Why You Should Use the Auto Tuning Feature

The auto tuning feature tunes the TV to the correct channel for different components you have connected to your TV (like a VCR, DVD player, etc.). When you set up auto tuning in the menu system you don't have to remember to change your TV to channel 3, for example, when you want to watch the tape in your VCR.

How to Set Up the Auto Tuning Feature

The way you set up the auto tuning feature in the TV's menu corresponds to the component buttons on the remote and the way you have each component connected to your TV. When you set up auto tuning, you're telling the TV what channel to tune to when you press the VCR or DVD button on the remote control.

1. Press MENU (the *MAIN MENU* appears).
2. Highlight *Setup* and press OK on your remote control.
3. Highlight *Auto Tuning* and press OK.

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4. Choose which channel you want to set:

   Set VCR1 Lets you set up the channel the TV tunes to when you press the VCR button.

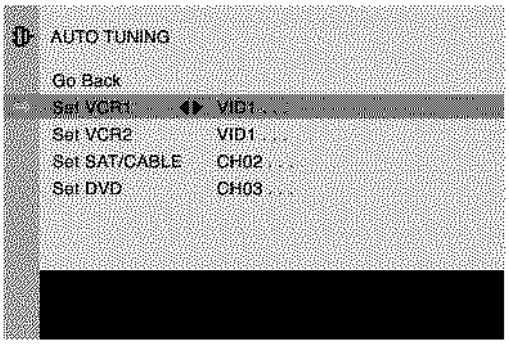
   Set VCR2 Not available with your remote control.

   Set SAT/CABLE Not available with your remote control.

   Set DVD Lets you set up the channel the TV tunes to when you press the DVD button.

5. Press the right arrow button to select the choice that matches the way you have the component connected to this TV.

The choices and a brief explanation follow:



N/A Choose this if you don't have this particular component connected to the TV, or if you don't want the TV to automatically tune to the correct channel when you're using this component.

CH02 (SAT/CABLE only- Not available with your remote control).

CH03 or 04 Component is connected to the TV ANT jack on the back of the TV, and you want the TV to tune to channel 3 or 4 when you press the corresponding button on the remote. Reminder: make sure the component's Channel 3/4 switch is set to the appropriate channel.

VID1 Component is connected to the VIDEO 1 VIDEO or S-VIDEO IN jack on the back of the TV and you want the TV to tune to a video input channel when you press the corresponding button.

VID2 Component is connected to the VIDEO 2 VIDEO or Y, Pb, Pr jacks on the back of the TV and you want the TV to tune to a video or component video input channel when you press the corresponding button.

FRNT (Front Video Input) Component is connected to the VIDEO jack on the front of the TV and you want the TV to tune to the front video input channel when you press the corresponding button.

Parental Controls and V-Chip

The choices in the *USA V-CHIP* menu involve software inside your TV (referred to as V-Chip) which allows you to block TV programs and movies based on violence, sex, or other content you may believe children should not view.

Once you block programs, you can unblock programs by entering a password.

By default, the software inside your TV is turned "off." For instructions to turn on V-Chip, go to page 21.

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How V-Chip Works

V-Chip reads the program's age-based rating (TV-MA, TV-14, etc.) and content themes [(Violence (V), Adult Language (L), etc.)]. If you have blocked the rating and/or content themes that the program contains, you will receive the message *This channel has not been approved for viewing. Change channel or press OK to enter password and temporarily deactivate the Parental Control.*

Broadcasters are not required to provide content themes, so programs received with no content themes will only be blocked if you block their age-based rating. You can also block out programs that have been given a rating of Not Rated, and programs that are considered unrated. The TV age-based ratings and content themes you can block follow:

USA V-Chip Rating System

TV-MA (Mature Audience Only) Specifically designed to be viewed by adults and may be unsuitable for children under 17. It contains one or more of the following content themes: crude indecent language (L), explicit sexual activity (S), or graphic violence (V).

TV-14 (Parents Strongly Cautioned) Contains some material that many parents would find unsuitable for children under 14. Parents are strongly urged to exercise greater care in monitoring this program and are cautioned against letting children under the age of 14 watch unattended. This program contains one or more of the following content themes: intensely suggestive dialogue (D), strong coarse language (L), intense sexual situations (S), or intense violence (V).

TV-PG (Parental Guidance Suggested) Contains material that parents may find unsuitable for younger children. Many parents may want to watch it with their younger children. The program contains one or more of the following content themes: some suggestive dialogue (D), infrequent coarse language (L), some sexual situations (S), or moderate violence (V).

TV-G (General Audience) Most parents would find this program suitable for all ages. It contains little or no sexual dialogue (D) or situations (S), no strong language (L), and little or no violence (V).

TV-Y7 (Directed to Children 7 years and older) Designed for children ages 7 and above. It may be more appropriate for children who have acquired the developmental skills needed to distinguish between make-believe and reality. Themes and elements in this program may include mild fantasy violence (FV) or comedic violence, or may frighten children under the age of 7.

TV-Y (All Children) Themes and elements in this program are designed for a young audience, including children from ages 2-6. It is not expected to frighten younger children.

Canadian English V-Chip Rating System

18+ (Adults) Programming intended for adults 18 and older. It may contain elements of violence, language, and sexual content which could make it unsuitable for viewers under 18. Violence Guidelines: May contain violence integral to the development of the plot, character or theme, intended for adult audiences. Other Content Guidelines: May contain graphic language and explicit portrayals of nudity and/or sex.

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14+ (Viewers 14 and over) Programming contains themes or content which may not be suitable for viewers under the age of 14. Parents are strongly cautioned to exercise discretion in permitting viewing by pre-teens and early teens. Violence Guidelines: May contain intense scenes of violence. Could deal with mature themes and societal issues in a realistic fashion. Other Content Guidelines: May contain scenes of nudity and/or sexual activity. There could be frequent use of profanity.

PG (Parental Guidance) Programming intended for a general audience but which may not be suitable for younger children (under the age of 8). Parents may consider some content inappropriate for unsupervised viewing by children aged 8-13. Violence Guidelines: Depictions of conflict and/or aggression will be limited and moderate; may include physical, fantasy, or supernatural violence. Other Content Guidelines: May contain infrequent mild profanity, or mildly suggestive language. Could also contain brief scenes of nudity.

G (General Audience) Programming considered acceptable for all ages groups. While not designed specifically for children, it is understood younger viewers may be part of the audience. Violence Guidelines: Will contain very little violence, either physical or verbal or emotional. Will be sensitive to themes which could frighten a younger child, will not depict realistic scenes of violence which minimize or gloss over the effects of violent acts. Other Content Guidelines: There may be some inoffensive slang, no profanity and no nudity.

C8+ (Children 8 and Older) Programming generally considered acceptable for children 8 years and over to watch on their own. Violence Guidelines: Violence will not be portrayed as the preferred, acceptable, or only way to resolve conflict or encourage children to imitate dangerous acts which they may see on television. Any realistic depictions of violence will be infrequent, discreet, of low intensity and will show the consequences of the acts. Other Content Guidelines: There will be no profanity, nudity or sexual content.

C (Children) Programming intended for children under age 8. Violence Guidelines: Careful attention is paid to themes which could threaten children's sense of security and well being. There will be no realistic scenes of violence. Depictions of aggressive behaviour will be infrequent and limited to portrayals that are clearly imaginary, comedic or unrealistic in nature. Other Content Guidelines: There will be no offensive language, nudity or sexual content.

Canadian French V-Chip Rating System

18+ (Adults) Programming is for adults only. This program contains sustained violence or extremely violent scenes.

16+ (Viewers 16 and over) Programming is not suitable for those under age 16. This program contains frequent scenes of violence or intensely violent scenes.

13+ (Viewers 13 and over) Programming may not be suitable for children under the age of 13. This program either contains several violent scenes or one or more scenes that are violent enough to affect them. Viewing in the company of an adult is therefore strongly recommended for children under the age of 13.

8+ (Viewers 8 and over) Not recommended for young children. This program is suitable for most audiences, but it contains mild or occasional violence that could upset young children. Viewing in the company of an adult is therefore recommended for young children (under the age of 8) who do not distinguish between reality and imagination.

G (General Audience) This program is suitable for audiences of all ages. It contains no violence, or any violence that it does contain is either minimal or is presented in a humorous manner, as a caricature, or in an unrealistic way.

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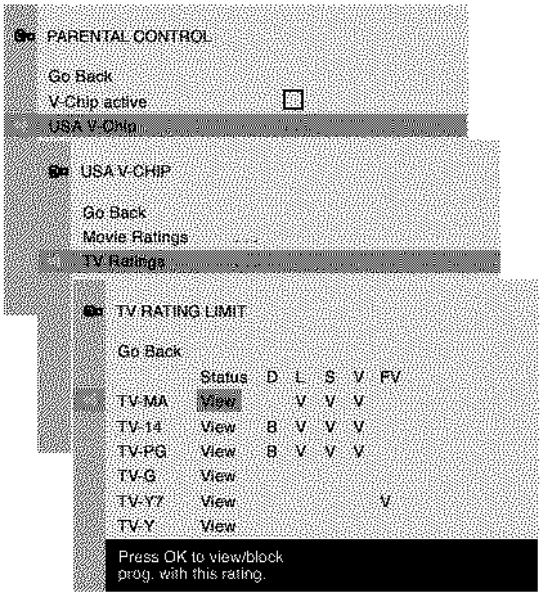


USA V-Chip TV Rating Limit

The V-Chip TV Rating Limit let you decide which TV programs can and cannot be viewed.
To set TV programming limits:

1. Choose *Parental Control* from the MAIN MENU (the *PASSWORD* screen appears the first time you enter the *Parental Control* menu). Create your password using the number buttons on the remote.
2. Highlight and select *USA V-Chip*. Then select *TV Ratings*.
3. Once you get to the *TV RATING LIMIT* screen, use the arrow buttons and OK on your remote to change the status of a TV program rating or content theme from *View* to *Block*.
4. For TV rating limits to take effect, turn *on V-Chip active* in the *PARENTAL CONTROL* menu (box has check mark).

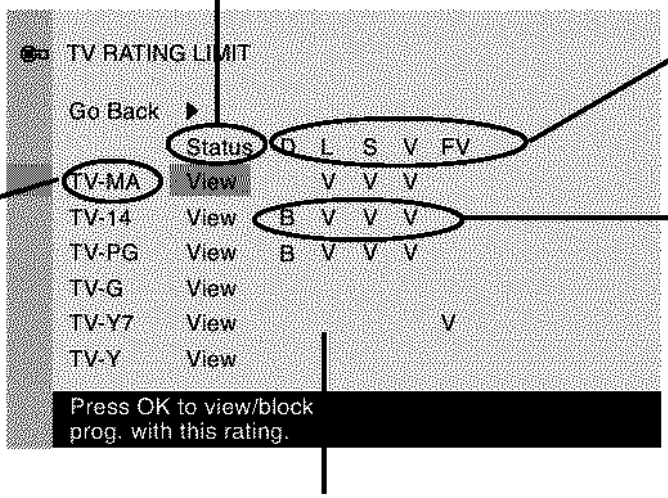
The following sections give you more details about how to change the status of TV program limits.

Note: If you forget your password you can reset it. Make sure the TV is off. Simultaneously press and hold VOL< on the TV's front panel and CLEAR on the remote for approximately 5 seconds. Enter a new password next time you access the PARENTAL CONTROL menu.

The V-Chip Rating Screen

The following is an example of where items are located within the *TV RATING LIMIT* screen.

Rating Status Field
Lets you select whether the status of the age-based rating limit to the left is View or Block.


TV RATING LIMIT
Go Back
Status D L S V FV
TV-MA View V V V
TV-14 View B V V V
TV-PG View B V V V
TV-G View
TV-Y7 View V
TV-Y View
Press OK to view/block prog. with this rating.

Rating Field
Lets you select from a list of age-based ratings you can block or view.

Content Themes
Lists the content themes you can block or view.

Content Status Fields
Lets you select which content themes to view for the selected rating, and whether the status of the content theme is currently View (V) or Block (B).

Rating Settings Area
Lets you see the current block/view state of age-based ratings and associated content.

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Hierarchy of Age-Based Ratings	
TV-MA	*Mature Audience Only*
TV-14	*Parents Strongly Cautioned*
TV-PG	*Parental Guidance Suggested*
TV-G	*General Audience*
TV-Y7	*Directed to Children 7 years and older*
TV-Y	*All Children*

Blocking Age-Based Ratings

You can automatically block all program ratings above a specified age-based rating level.

To block programs with higher ratings:

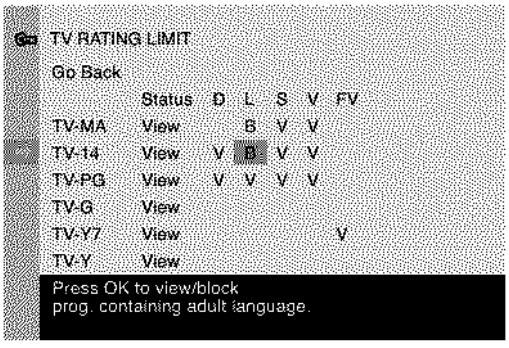
1. Press the up or down arrow button to scroll to the rating corresponding with the lowest rating you do not want the child to watch.
2. Press the OK button to toggle between *View* and *Block*. The status for the rating listed to the left and all higher ratings automatically changes to *Block*.
3. Press the up or down arrow button to highlight *Go back* and press OK.
4. Turn on *V-Chip active* in the *PARENTAL CONTROL* menu (box has check mark) for rating limits to take effect.

Viewing Age-Based Ratings

After you block age-based ratings, you can change some of the ratings back to *View*.

1. Press the up or down arrow button to select the rating with a status of *Block*.
2. Press OK to select *View*.

Content Themes	
D	*Sexually explicit dialogue*
L	*Adult language*
S	*Sexual situations*
V	*Violence*
FV	*Fantasy Violence*



Blocking Specific Content Themes

You can block programs based on their content. (Content is represented by the D, L, S, V and FV on your screen.) When you block a content theme for a particular rating, you automatically block that content theme for higher rated programs as well.

To block program content:

1. Determine the content themes you want to block.
2. Press the down arrow button to scroll to the rating whose content theme you want to change.
3. Press the right arrow button to move the highlight to a particular content theme status.
4. Press the OK button to change its status to *B*. (In the example to the left, you block the language (L) corresponding with TV-14. The language for TV-MA is blocked as well).

Notes: Broadcasters are not required to provide content themes or age-based ratings.

You must remember to activate Parental Controls for rating limits to take effect.

Viewing Specific Content Themes

If you block specific content themes, you have the option of going back and changing some of the content themes back to *(V) View*:

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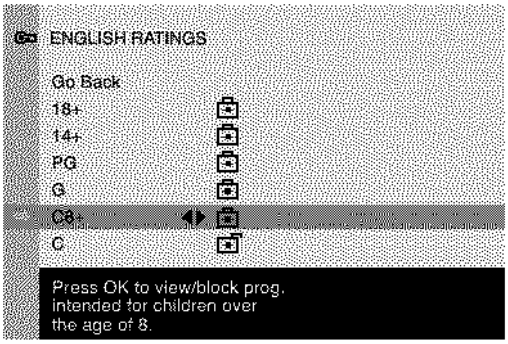
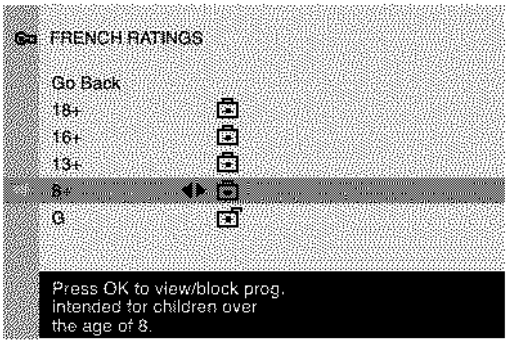
1. Determine the content themes you want to change to *(V) View.*
2. Press the down arrow button to scroll to the rating whose content theme you want to change, such as *B* under language (L) corresponding with TV-14.
3. Press the right arrow button to move the highlight to a particular content theme status.
4. Press the OK button to change the status back to *V.* Your child would then be able to watch programs with the TV-14 adult language content, but not programs with TV-MA language content.

Note: Only the content theme status corresponding to TV-14 (L) language changes to (V) View. Higher rated content themes, such as that for TV-MA language, do not change.





Blocking Canadian V-Chip Ratings

If you receive Canadian programs you can block Canadian English and French V-Chip by ratings only. When you block a particular rating, you automatically block the higher rated programs as well.

To block Canadian English and French program ratings:

1. Select *Canada V-Chip* from the *PARENTAL CONTROL* menu.
2. Highlight *English Ratings* or *French Ratings* and press OK.
3. Determine the rating you want to block.
4. Press the down arrow button to scroll to the rating you want to change.
5. Press the OK button to change its status to block (the lock icon appears and all ratings above the one you selected change to lock).

V-Chip Movie Rating Limit

Set movie rating limits by blocking movies rated above a specified level.

To access the Movie Rating Limit menu:

1. Press MENU on the remote control (the *MAIN MENU* appears).
2. Select *Parental Control.*
3. Select *USA V-Chip.*
4. Select *Movie Ratings.*

Blocking Movie Ratings

Once you are in the Movie Rating Limit menu, follow the same steps described for blocking Canadian V-Chip Ratings.

V-Chip Exempt Program Block

The *Exempt Prgms.* option lets you decide if programs that the V-Chip recognizes as unrated can be viewed. Unrated TV programs may include news, sports, political, religious, local and weather programs, emergency bulletins, public announcements, and programs without ratings. The Exempt option applies to both USA and Canadian unrated programs and Canadian programs rated *E.*

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Unlocked All unrated programs are available.
Locked All unrated programs are not available.

Note: You must remember to activate V-Chip for rating limits to take effect.

Press the down arrow to highlight *Exempt Prgms.* Then press the right arrow to toggle between the lock and unlock icon.

KidPass

The KidPass feature allows parents to set a certain amount of time every day of the week that a child can watch TV. To set KidPass:

1. Select *Parental Control* from the main menu.
2. Select *KidPass* (the *KIDPASS* menu appears with *Current Day* highlighted).

   Note: If you can't select KidPass, you need to set the time. Highlight Go Back, press the right arrow, then select Time. Highlight Time, then enter the time using the number buttons.
3. Press the right arrow to select the current day.
4. Press the down arrow button to choose the day of the week.
5. After you've chosen the day of the week, press the right arrow to select the amount of time: *Free* and *00:30* up to 16:00 (30 minute increments).
6. When you're done setting KidPass, select *Go Back.*
7. Highlight *KidPass active* and press the right arrow to activate the KidPass settings (box has check mark). The KidPass takes effect immediately.

When the time has expired, the TV shuts off. If you turn on the TV the same day it shut off, the password screen appears (enter the password used for V-Chip).

V-Chip Active

Selecting this option lets you activate and deactivate parental control settings.

1. From the *PARENTAL CONTROL* menu, press the up or down arrow to highlight *V-Chip active.*
2. Press the right or left arrow to turn on (box has check mark) or off (box doesn't have check mark) *V-Chip active.*

If you do not activate V-Chip, none of the settings for V-Chip will take effect.

If you forget your password you can reset it. Make sure the TV is off. Simultaneously press and hold VOL< on the TV's front panel and CLEAR on the remote for approximately 5 seconds. Enter a new password next time you access the PARENTAL CONTROL menu.

Front Panel Lock

Selecting this option lets you lock (disable) or unlock (enable) the TV's front panel. The remote still tunes to any channel. When using this as a Parental Control method, remove access to any remote that is capable of operating the television.

1. From the *PARENTAL CONTROL* menu, press the up or down arrow to highlight *Lock Fr. Panel.*
2. Press the right or left arrow to turn on (box has check mark) or off (box doesn't have check mark) front panel lock.

Change Password

Selecting this option lets you simply create a new password at any time. Once you enter a new password from *Change Passwd.* in the *PARENTAL CONTROL* menu it is the password you use until you change it again.

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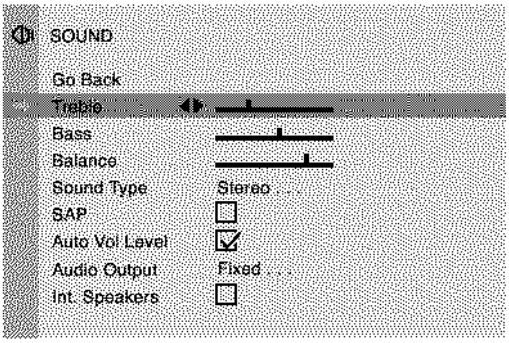


Sound Menu

Treble Increases or decreases the treble.

Bass Increases or decreases the bass.

Balance Press the right arrow to increase the audio output in the right speaker; press the left arrow to increase the audio output in the left speaker.

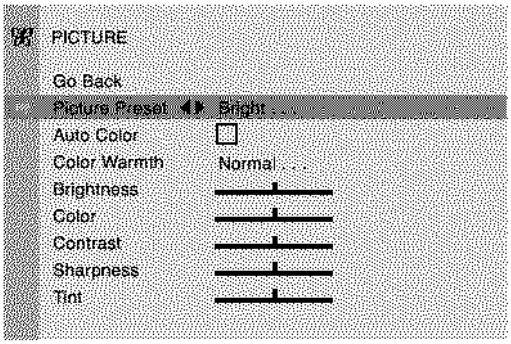
Sound Type Press the right arrow to scroll through the available audio types, which control the way the sound comes through your speakers: *Mono* plays the sound in mono only. Use this setting when receiving broadcasts with weak stereo signals; *Stereo* to split the incoming stereo audio signal into left and right channels; and *Enhanced* for simulated surround sound. Most TV programs and recorded materials have stereo audio. The word *Stereo* appears on the TV when you tune to a program that is broadcast in stereo.

SAP (Second Audio Program) Plays the program's audio in a second language, if one is available. The TV displays the word SAP when you tune to a program that is broadcast with SAP information. SAP audio is broadcast in mono. SAP is also used to broadcast a program's audio with descriptions of the video for the visually impaired.

Auto Vol level (Auto Volume Level) Reduces the annoying blasts in volume during commercial breaks. Eliminates the need to constantly adjust volume control.

Audio Output Press the right arrow to scroll through the available output settings: *Fixed* allows fixed output from the TV's audio output jacks to an external component such as a surround sound amplifier; and *Variable* allows variable output from the TV's audio output jacks.

Int. Speakers (Internal Speakers) Turns the TV's internal speakers on or off. Turn off the internal speakers if you have an audio receiver or amplifier connected to the TV.



Picture Menu

The *PICTURE* menu options apply to the video for the main TV and video input selections.

Picture Preset Press the right arrow to scroll through the available picture preset settings: *Natural, Bright, Soft,* and *Personal.* Choose the setting that is best for your viewing environment.

Auto Color Turn this option on to automatically correct the color of the picture. This is especially useful for tracking realistic flesh tone colors as you switch channels.

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Color Warmth Press the right arrow to scroll through the color adjustments: *Cool* for a more blue palette of picture colors; *Normal*; and *Warm* for a more red palette of picture colors.

Brightness Adjusts the brightness of the picture.

Color Adjusts the richness of the color.

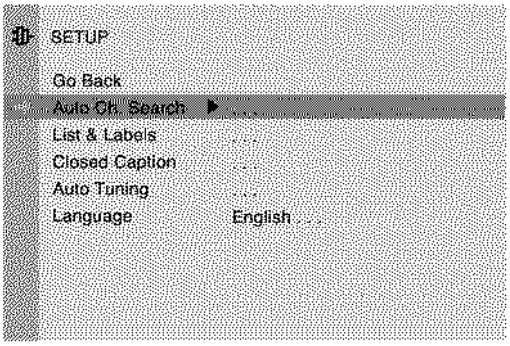
Contrast Adjusts the difference between the light and dark areas of the picture.

Sharpness Adjusts the crispness of the edges in the picture.

Note: Sharpness is not available for CVID2 or VPORT.

Tint Adjusts the balance between the red and green levels.

When you change any of these picture settings, the Picture Preset changes to *Personal*. Use the left or right arrow button to make adjustments. To return to the *PICTURE* menu, press the up or down arrow button.



Setup Menu

Auto Ch. Search (Auto Channel Search) Allows you to choose your signal type and begin an auto channel search.

Signal Type Press the left or right arrow to toggle between the signal your TV is receiving. Choose *Cable* if you are currently using cable or a cable box for TV signals. Choose *Antenna* if you are currently using an off-air antenna for TV signals.

Start Searches for channels the signal is receiving and stores them in the TV's channel list. Go to page 8 for more information.

List & Labels Edit the channels in the list or choose labels for each channel. To delete a channel from the channel list, highlight *Channel* and use the left or right arrow to select the channel. Then highlight *In list* and press the OK button. The box should no longer display a check mark. To add a label to a channel, select the channel in the *Channel* option. Press the down arrow to highlight *Label*. Press the right arrow to highlight the first space. Use the up or down arrow to ascend or descend through the characters. Continue to press the right arrow to highlight the space and the up or down arrow to add a character. Press OK when you're done adding a label.

Closed Caption Many programs are encoded with closed-captioning information, which lets you display the audio portion of a program as text on the TV screen.

Closed captioning is not available on all channels at all times. Only specific programs encoded with closed-captioning information are applicable. When a program is closed captioned, *CC* is displayed in the channel banner. Go to Chapter 3 for more information about the channel banner. The closed caption options are:

CC Display Lets you choose the way closed captioning information is shown on the screen.

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Off No captioning information displayed.

On Captioning information always appears, when available.

Muted=On Displays captioning information, when available, whenever the TV's sound is muted by pressing the MUTE button. The captioning information is not displayed when the sound is not muted.

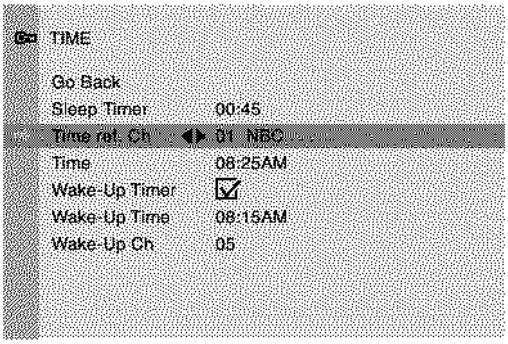
CC Mode Choose which captioning mode is used for displaying captioning information. If you are unsure of the differences among the modes, you may prefer to leave the closed captioned mode set to CC1, which displays complete text of the program in the primary language in your area.

Auto Tuning Displays a choice list that lets you set up the TV to automatically tune to the correct input channel when you press a component button (VCR or DVD) on the remote. Go to Chapter 3 for details about the Auto Tuning feature.

Language Lets you select your preferred language for the menus.

Parental Control Menu

The Parental Control menu was explained in Chapter 3. Go to page 15 for more information.



Time Menu

Sleep Timer Lets you set the TV to turn off after a given time. Press the right arrow to add 15 minutes to the clock (up to four hours).

Time ref. Ch Choose a channel so the TV sets the time for you. Note that local channels usually broadcast the time.

Time Time is set if you select a reference channel (see above). If time is not obtained, then enter it manually. If it is 8:25, for example, you must first press the number 0 on the remote, then number 8, then 2 and then 5. Use the OK button to choose between AM and PM.

Wake-Up Timer Lets you set the TV to turn itself on.

Note: When the TV turns on by the wake-up timer and no remote or front panel buttons are pressed for 2 hours, the TV will turn itself off.

Wake-Up Time Lets you set the time you want the TV to turn itself on.

Wake-Up Ch Lets you select a specific channel the TV tunes to when the wake-up timer is set.

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Troubleshooting

Most problems you encounter with your TV can be corrected by consulting the following troubleshooting list.

Note: If you prefer, we can provide you with the name of an Authorized Service Representative who will visit your home for a fee to install your electronic entertainment system and to instruct you in its operation. For details about this service, call 1-888-206-3359. For additional assistance while using your RCA product, please visit www.rca.com/customersupport.

TV Problems

TV won't turn on

- Press the TV button.
- Make sure the TV is plugged in.
- Check the wall receptacle (or extension cord) to make sure it is "live" by plugging in something else.
- Something might be wrong with your remote control. Press the POWER button on the front of the TV. If the TV turns on, check the remote control solutions on page 26.
- The front panel controls may be locked (disabled). Use the remote control to unlock the front panel controls by selecting the *Lock Fr. Panel* in the *PARENTAL CONTROL* menu and press OK (box won't have check mark).

Buttons don't work

- If you're using the remote control, press the TV button first to make sure the remote is in TV mode.
- The front panel controls may be locked (disabled). Use the remote control to unlock the front panel controls by selecting the *Lock Fr. Panel* in the *PARENTAL CONTROL* menu and press OK (box won't have check mark).
- Unplug the TV for two minutes and then plug it back in. Turn the TV on and try again.

TV turns off unexpectedly

- Sleep timer may have been activated. Go to page 24 for instructions.
- KidPass may have been activated. Go to page 21 for instructions.
- Wake-Up timer turned on the TV and no remote or front panel buttons were pressed for two hours.
- Electronic protection circuit may have been activated because of a power surge. Wait 30 seconds and then turn on again. If this happens frequently, the voltage in your house may be abnormally high or low.
- Unplug TV. Wait five minutes. Plug it in again.

TV turns on unexpectedly

- Wake-Up timer might have been activated. Go to page 24 for instructions.
- You might have pressed CH+, CH- or OK on the remote accidentally.

Blank screen

- Make sure the component connected to the TV is turned on.
- Try another channel.

No sound, picture okay

- Maybe the sound is muted. Try pressing the volume up button to restore sound.
- If using S-Video or Y, Pb, Pr, remember to also connect the component's left and right audio output jacks to the TV's AUDIO jacks.
- Make sure the *Int. Speakers* option in the *SOUND* menu is turned on.

Can't select certain channel

- Channel may be blocked or not approved through the V-Chip.
- If using a VCR, make sure the TV/VCR button on the VCR is in the correct mode (press the TV/VCR button on your VCR).

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Noisy stereo reception

- May be a weak station. Access the *SOUND* menu, highlight *Sound Type* and then choose *Mono.*

No picture, no sound but TV is on

- Maybe the signal type is set wrong. Go to page 23 for detailed instructions.
- The channel might be blank – change channels.
- If you're watching your VCR and it's connected with coaxial cable to the TV ANT jack, tune the TV to channel 3 or 4 (whichever channel is selected on the 3/4 switch on the back of your VCR). Also make sure the TV/VCR button on the VCR is in the correct mode (press the TV/VCR button on your VCR).

Sound okay, picture poor

- Check antenna connections. Make sure all of the cables are firmly connected to the jacks.
- Try adjusting sharpness function to improve weak signals. Go to page 23 for more instructions.

Black box appears on the screen

- Closed-captioning might be on. Check *Closed Caption* in the *SETUP* menu. Go to page 23 for more instructions.

PASSWORD menu appears

- KidPass option is activated and you try to reset the time.
- You turn the TV on after KidPass shut off the TV.

The Remote Control Doesn't Work

- Something might be between the remote and the remote sensor on the component. Make sure there is a clear path.
- Maybe the remote isn't aimed directly at the component (TV, VCR, etc.) that you're trying to operate.
- Maybe remote is not in TV Mode. Press the TV button so the remote will operate the TV.
- Maybe batteries in remote are weak, dead, or installed incorrectly. Put new batteries in the remote. (Note, if you remove the batteries, you may have to reprogram the remote to operate other components.)
- You might need to drain the remote's microprocessor: remove batteries and press the number 1 button for at least 60 seconds. Release the 1 button, replace the batteries, and (if necessary) program the remote again.

Problems with V-Chip/Parental Controls

The rating limits don't work

- You must activate the settings. Go to the *MAIN MENU* (press MENU on your remote), select *Parental Control*, highlight and turn on *V-Chip active* (box has check mark).

I don't remember my password and I want to unlock the TV

- If you forget your password you can reset it. Make sure the TV is off. Simultaneously press and hold VOL< on the TV's front panel and CLEAR on the remote for approximately 5 seconds. Enter a new password next time you access the *PARENTAL CONTROL* menu.

The V-Chip won't let me watch a program even though it's not rated as violent.

- Maybe the movie was given an NR (Not Rated) status. After you block movie ratings, you must unlock *NR* separately in order to view movies with an NR rating.

Problems with VPORT Connection

No picture

- Press the INPUT button until *VPORT* appears on-screen.
- If using the Component video to VPORT cable, make sure the cables to the other component are connected correctly.

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- If using the Xbox to VPORT cable, make sure the end labeled *TV* is connected to the TV and the end labeled *XBOX* is connected to the Xbox video game system. No other gaming device can be connected to the TV with this cable.

No sound or poor sound

- If using the Component video to VPORT cable, make sure the red and white cables are connected to the Audio Output Jacks.
- If using the digital audio jack on the Xbox to VPORT cable, make sure the cable is fully connected to the jack and the audio receiver.

Care and Cleaning

CAUTION: Turn OFF your TV before cleaning.

You can clean the TV as required, using a soft lint-free cloth. Be sure to occasionally dust the ventilation slots in the cabinet to help assure adequate ventilation.

The TV's screen may be cleaned with a soft, lint-free cloth as well. Take care not to scratch or mar the screen. If necessary, you may use a cloth dampened with warm water. Never use strong cleaning agents, such as ammonia-based cleaners, or abrasive powder. These types of cleaners will damage the TV.

While cleaning do not spray liquid directly on the screen, or allow liquid to run down the screen and inside the TV. Also, never place drinks or vases with water on top of the TV. This could increase the risk of fire or shock hazard or damage to the TV.

Caution: Using video games or any external accessory with fixed images for extended periods of time can cause them to be permanently imprinted on the picture tube (or projection TV picture tubes). ALSO, some network/program logos, phone numbers, etc. may cause similar damage. This damage is not covered by your warranty.

Limited Warranty

What your warranty covers:

- Defects in material or workmanship.

For how long after your purchase:

- 90 days from date of purchase for labor charges.
- One year from date of purchase for parts.
- Two years from date of purchase for the picture tubes.

The warranty period for rental units begins with the first rental or 45 days from date of shipment to the rental firm, whichever comes first.

What we will do:

- Pay any Authorized RCA Television Service Center the labor charges to repair your television.
- Pay any Authorized RCA Television Service Center for the new or, at our option, rebuilt replacement parts and picture tube required to repair your television.

How you get service:

- For 20" screen size: Take your RCA television to any Authorized RCA Television Service Center and pickup when repairs are complete.
- For screen sizes larger than 20": Request home or pick up, repair and return service from any Authorized RCA Television Service Center, provided that your television is located within the geographic territory covered by an Authorized RCA Television Service Center. If not, you must take your television to the Service Center location at your own expense, or pay for the cost the Service Center may charge to transport your television to and from your home.

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- To identify your nearest Authorized RCA Service Center, ask your dealer, visit www.rca.com, look in the Yellow Pages, or call 1-800-336-1900.
- Proof of purchase in the form of a bill of sale or receipted invoice which is evidence that the product is within the warranty period must be presented to obtain warranty service. For rental firms, proof of first rental is also required.

What your warranty does not cover:

- Customer instruction. (Your Owner's Manual describes how to install, adjust, and operate your product. Any additional information should be obtained from your dealer.)
- Installation and related adjustments.
- Signal reception problems not caused by your television.
- Damage from misuse or neglect.
- Batteries.
- Customer replacement fuses.
- Damage from images burnt onto the screen.
- A television that has been modified or incorporated into other products or is used for institutional or other commercial purposes.
- Acts of nature, such as but not limited to lightning damage.
- A television purchased or serviced outside the U.S.A.

Product Registration:

- Please complete and mail the Product Registration Card packed with your TV or register on-line at www.rca.com/productregistration. It will make it easier to contact you should it ever be necessary. The return of the card is not required for warranty coverage.

Limitation of Warranty:

- **THE WARRANTY STATED ABOVE IS THE ONLY WARRANTY APPLICABLE TO THIS PRODUCT. ALL OTHER WARRANTIES, EXPRESS OR IMPLIED (INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE) ARE HEREBY DISCLAIMED. NO VERBAL OR WRITTEN INFORMATION GIVEN BY THOMSON INC., ITS AGENTS OR EMPLOYEES SHALL CREATE A GUARANTY OR IN ANY WAY INCREASE THE SCOPE OF THIS WARRANTY.**
- **REPAIR OR REPLACEMENT AS PROVIDED UNDER THIS WARRANTY IS THE EXCLUSIVE REMEDY OF THE CONSUMER. THOMSON INC. SHALL NOT BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OF THIS PRODUCT OR ARISING OUT OF ANY BREACH OF ANY EXPRESS OR IMPLIED WARRANTY ON THIS PRODUCT. THIS DISCLAIMER OF WARRANTIES AND LIMITED WARRANTY ARE GOVERNED BY THE LAWS OF THE STATE OF INDIANA. EXCEPT TO THE EXTENT PROHIBITED BY APPLICABLE LAW, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ON THIS PRODUCT IS LIMITED TO THE APPLICABLE WARRANTY PERIOD SET FORTH ABOVE.**

How state law relates to this warranty:

- Some states do not allow the exclusion nor limitation of incidental or consequential damages, or limitations on how long an implied warranty lasts, so the above limitations or exclusions may not apply to you.
- This warranty gives you specific legal rights, and you also may have other rights that vary from state to state.

If you purchased your product outside the United States:

- This warranty does not apply. Contact your dealer for warranty information.

Service calls which do not involve defective materials or workmanship are not covered by this warranty. Costs of such service calls are the sole responsibility of the purchaser.

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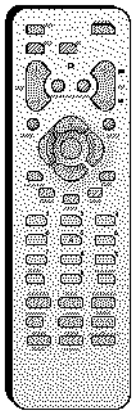
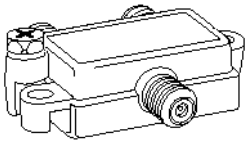


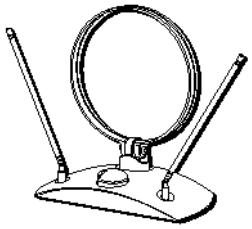
RCR311TCM1

Remote Control This is the remote control that came packed with your TV. Replacements or spares can be ordered as needed.



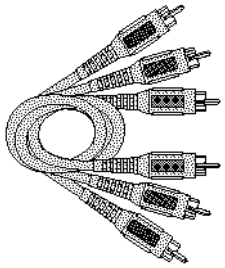
VH47

2-way Signal Splitter helps you connect to a second TV or VCR.



ANT200

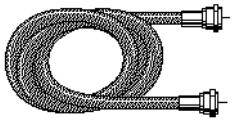
Amplified VHF/UHF/FM Antenna allows you to easily switch from the antenna signal to cable or satellite easily without disconnecting antenna.



DT6DC (6-ft)

DT12DC (12-ft)

Component Video Cables Triple cable used to connect a video source with Y, Pb, Pr jacks to the TV.



VH81 (3-ft)

VH82 (6-ft)

Screw-on Cable attaches to the round antenna connectors (called 75-ohm F-type) on the back of your VCR or TV. The ends screw onto the connectors for a secure connection.

VH913

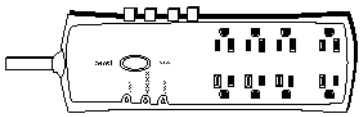
S-Video Cable has multi-pin connectors on each end for connecting S-Video components to your TV.

Description	Part No.	Price
Screw-on antenna cable (3-ft)	VH81	$3.95
Screw-on antenna cable (6-ft)	VH82	$4.95
Push-on antenna cable (6-ft)	VH89	$5.95
Monaural VCR Dubbing Cable (6-ft)	VH83	$5.95
Stereo VCR Dubbing Cable (6-ft)	VH84	$9.95
S-Video Cable (6-ft)	VH976	$7.95
S-Video Cable (12-ft)	VH913	$14.95
2-way Signal Splitter	VH47	$3.95
Amplified Antenna	ANT200	$49.95
Remote Control (RCR311TCM1)	260606	$24.99
Audio•Video Adapter	228449	$4.45
Surge Protector	SCTV4000C	$49.95
Component Video Cables (6-ft)	DT6DC	$24.95
Component Video Cables (12-ft)	DT12DC	$34.95
Xbox to VPORT Cable (not shown)	GP641XB	$29.95
Component Video to VPORT Cable (not shown)	GP650XB	$29.95

Prices are subject to change without notice.

VH83

Standard Audio/Video cable with RCA-type phono plugs.



SCTV4000C

Surge Protector provides eight outlets, coaxial and telephone line protection. Audible alarm for surge failure.

HOW TO ORDER

ON-LINE: Accessories may also be purchased at www.rca.com/accessories (subject to availability).
BY PHONE: To place your order by phone, have your Visa, MasterCard or Discover Card ready and call **1-800-338-0376**. Use this number only to place an order for accessory items listed on this page.
BY MAIL: mail money order or check in US currency (made payable to Thomson Inc.), along with ordering information (part numbers), phone number and shipping address, to the following address:

Video Accessories
PO Box 8419
Ronks, PA 17573

All accessories are subject to availability.
Where applicable, we will ship a superseding model.

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This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This Class B digital apparatus complies with Canadian ICES-003

Visit the RCA web site at www.rca.com

Please do not send any products to the Indianapolis address listed in this manual or on the carton. This will only add delays in service for your product.

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